



Product: [8423](#)

Microphone Cable, 3 Conductor 20 AWG, TC

Product Description

20 AWG stranded (26x34) high-conductivity TC conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, EPDM jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
20	26x34	High Conductivity Tinned Copper	0.037 in	3

Conductor Count: 3

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.083 in	0.023 in

Color Chart

Number	Color
1	White
2	Black
3	Red

Outer Shield Material

Type	Material	Coverage [%]
Braid	Rayon	
Braid	TC - Tinned Copper	83 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer	0.272 in	0.04 in	Cotton Serve

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
10.2 Ohm/1000ft	10.2 Ohm/1000ft		3.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

Inductance

Nominal Inductance
0.18 µH/ft

Impedance

Nominal Characteristic Impedance
52 Ohm

Current

Max. Recommended Current [A]
4 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	90°C
Operating Temp Range:	-50°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	52 lbs/1000ft
Max Recommended Pulling Tension:	88 lbs
Min Bend Radius/Minor Axis:	2.75 in

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MIL Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL voltage rating:	600 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8423 010100	Black	Reel	100 ft	612825206569
8423 010500	Black	Reel	500 ft	612825206590
8423 0101000	Black	Reel	1,000 ft	612825206576

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.303 Revision Date: 04-28-2020
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